

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061570.D
 Acq On : 8 Jun 2024 18:16
 Operator : MA/JU
 Sample : P2647-22
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBT6

Quant Time: Jun 09 23:02:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	26952	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	98246	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	72183	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.266	188	165310	20.000	ng/u1	0.00
79) Chrysene-d12	21.526	240	176979	20.000	ng/u1	0.00
88) Perylene-d12	24.640	264	199618	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	1998	4.149	ng/uL	-0.02
4) Pyridine-d5	3.746	84	17607	10.276	ng/u1	-0.02
7) Phenol-d5	7.066	99	58705	26.524	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	33908	24.374	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.413	132	48531	29.628	ng/u1	0.00
15) 4-Methylphenol-d8	8.600	113	45786	24.260	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	24916	32.939	ng/u1	0.00
24) 2-Nitrophenol-d4	9.757	143	27589	31.164	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	56748	32.881	ng/u1	0.00
31) 4-Chloroaniline-d4	10.809	131	16417	7.271	ng/u1	0.00
46) Dimethylphthalate-d6	13.917	166	169995	30.365	ng/u1	0.00
49) Acenaphthylene-d8	14.205	160	184500	31.700	ng/u1	0.00
54) 4-Nitrophenol-d4	14.775	143	15306	22.114	ng/u1	0.02
60) Fluorene-d10	15.509	176	152078	31.464	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.662	200	16033	16.036	ng/u1	0.01
73) Anthracene-d10	17.366	188	238425	32.715	ng/u1	0.00
81) Pyrene-d10	19.663	212	255181	28.082	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.422	264	211496	22.038	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.715	128	7256	1.399	ng/u1#	94
36) 2-Methylnaphthalene	12.330	142	4150	1.104	ng/u1	93
37) 1-Methylnaphthalene	12.554	142	4040	1.047	ng/u1#	95
52) Acenaphthene	14.575	153	5345	1.262	ng/u1#	79
56) Dibenzofuran	14.910	168	6646	1.098	ng/u1	90
61) Fluorene	15.568	166	7489	1.430	ng/u1	90
72) Phenanthrene	17.307	178	179679	22.394	ng/u1	98
74) Anthracene	17.395	178	27557	3.322	ng/u1	100
77) Carbazole	17.677	167	14957	2.217	ng/u1	98
78) Di-n-butylphthalate	18.224	149	10680	1.263	ng/u1#	94
80) Fluoranthene	19.328	202	425151	39.001	ng/u1#	97
82) Pyrene	19.692	202	327100	28.907	ng/u1	97
83) Butylbenzylphthalate	20.574	149	12276	3.158	ng/u1	97
85) Benzo(a)anthracene	21.508	228	232944	19.076	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.408	149	91832	15.960	ng/u1#	97
87) Chrysene	21.573	228	252151	22.425	ng/u1	97
90) Benzo(b)fluoranthene	23.652	252	330751	27.829	ng/u1	98
91) Benzo(k)fluoranthene	23.652	252	330751	27.413	ng/u1	94
93) Benzo(a)pyrene	24.487	252	123736	10.964	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.171	276	77691	5.693	ng/u1	97
95) Dibenzo(a,h)anthracene	28.182	278	12640	1.123	ng/u1#	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :

BNA_G

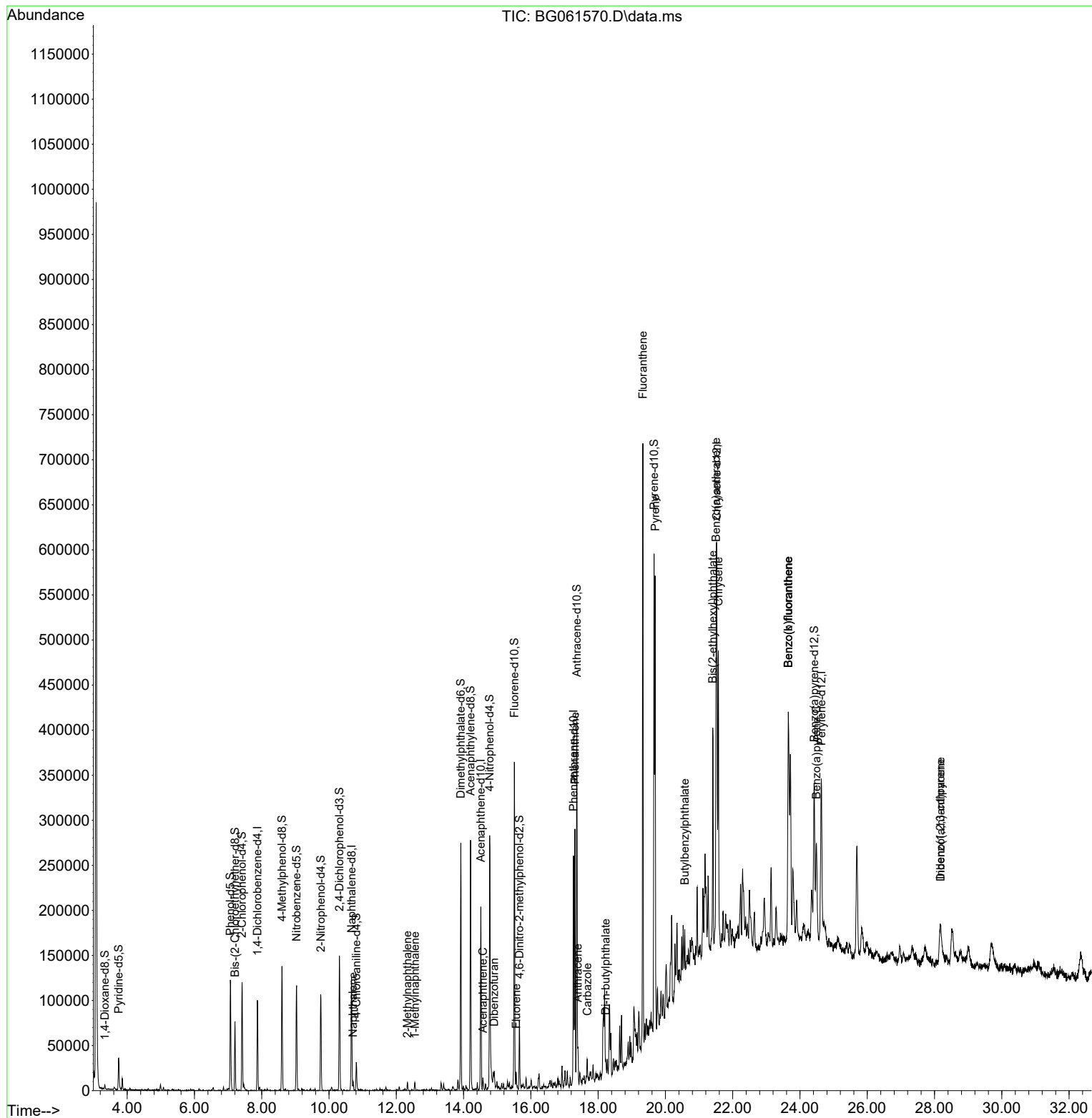
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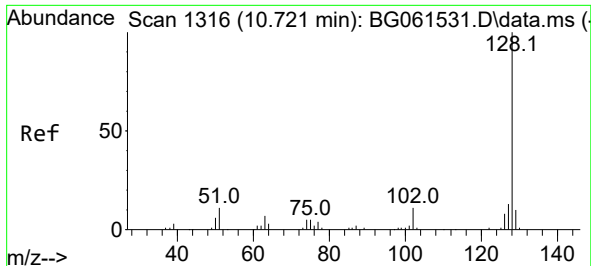
BHBT6

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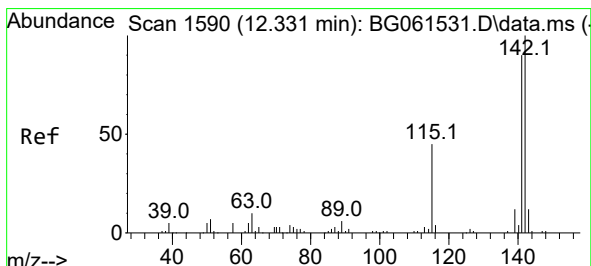
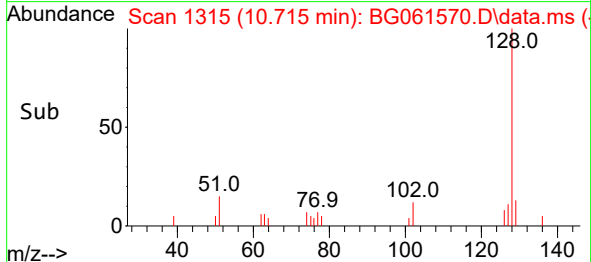
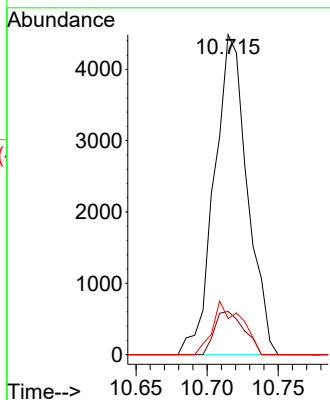
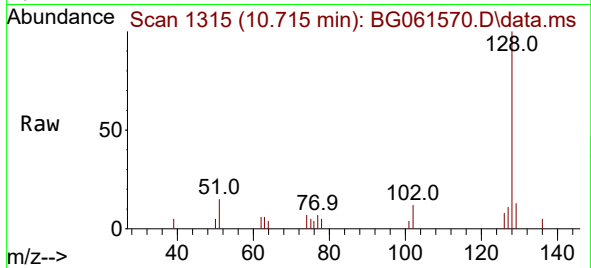




#30
Naphthalene
Concen: 1.399 ng/ul
RT: 10.715 min Scan# 1316
Delta R.T. -0.005 min
Lab File: BG061570.D
Acq: 8 Jun 2024 18:16

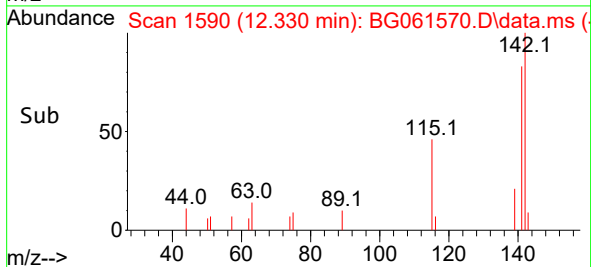
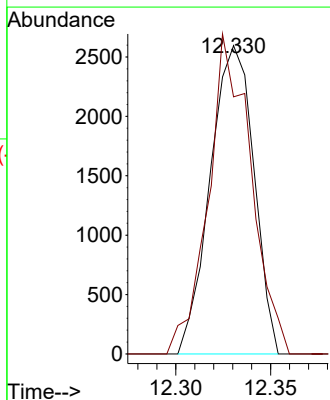
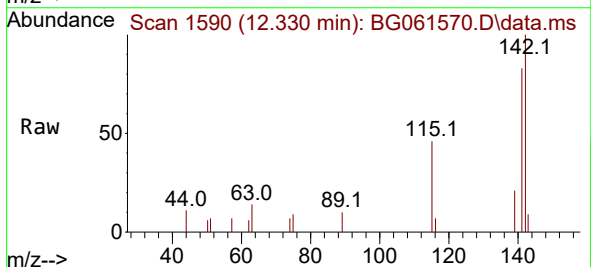
Instrument :
BNA_G
ClientSampleId :
BHBT6

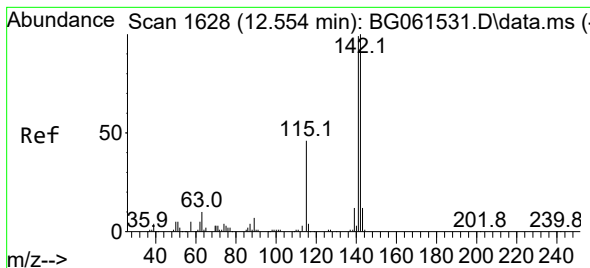
Tgt Ion:128 Resp: 7256
Ion Ratio Lower Upper
128 100
129 13.5 8.6 12.8#
127 11.3 10.8 16.2



#36
2-Methylnaphthalene
Concen: 1.104 ng/ul
RT: 12.330 min Scan# 1590
Delta R.T. 0.001 min
Lab File: BG061570.D
Acq: 8 Jun 2024 18:16

Tgt Ion:142 Resp: 4150
Ion Ratio Lower Upper
142 100
141 83.4 72.2 108.2





#37

1-Methylnaphthalene

Concen: 1.047 ng/ul

RT: 12.554 min Scan# 1

Delta R.T. 0.006 min

Lab File: BG061570.D

Acq: 8 Jun 2024 18:16

Instrument :

BNA_G

ClientSampleId :

BHBT6

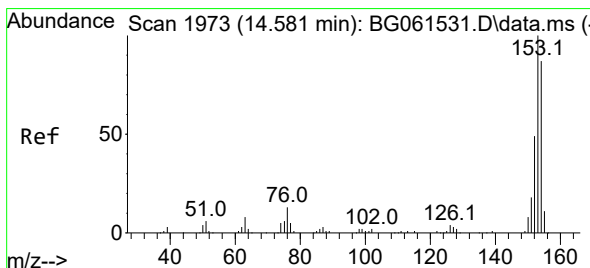
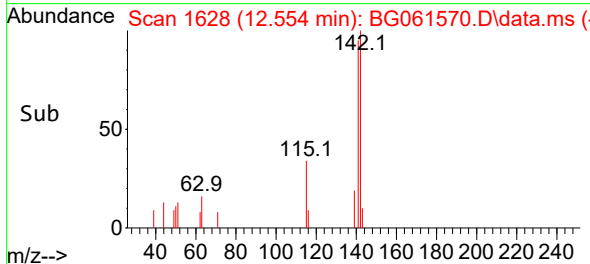
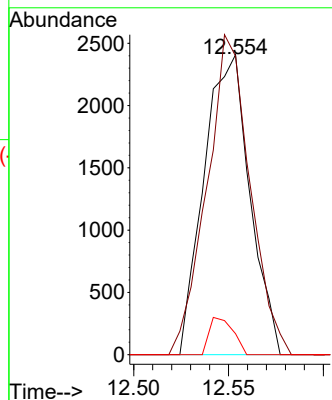
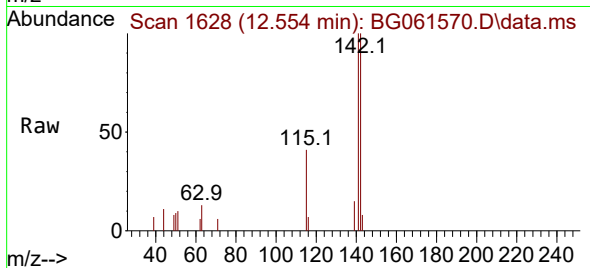
Tgt Ion:142 Resp: 4040

Ion Ratio Lower Upper

142 100

141 99.5 75.5 113.3

116 7.0 4.0 6.0#



#52

Acenaphthene

Concen: 1.262 ng/ul

RT: 14.575 min Scan# 1972

Delta R.T. 0.001 min

Lab File: BG061570.D

Acq: 8 Jun 2024 18:16

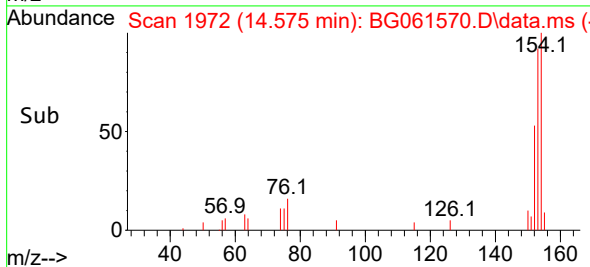
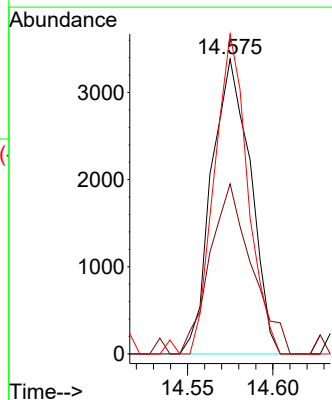
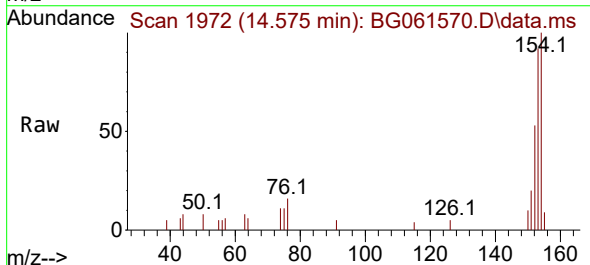
Tgt Ion:153 Resp: 5345

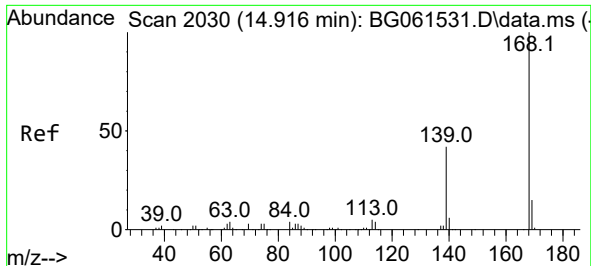
Ion Ratio Lower Upper

153 100

152 57.7 37.8 56.8#

154 108.5 69.0 103.6#

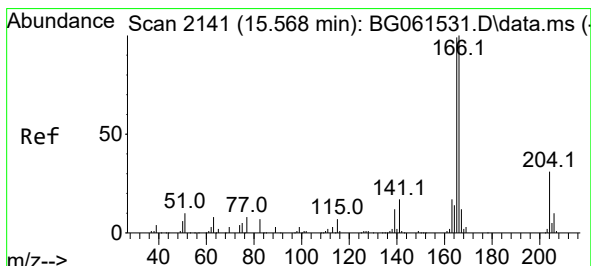
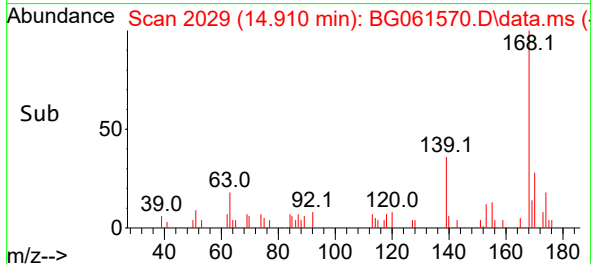
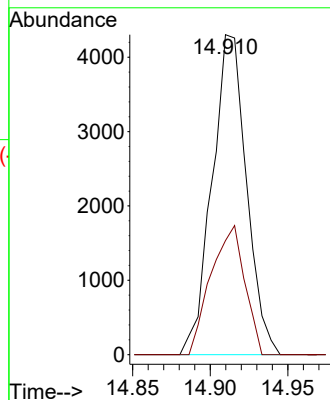
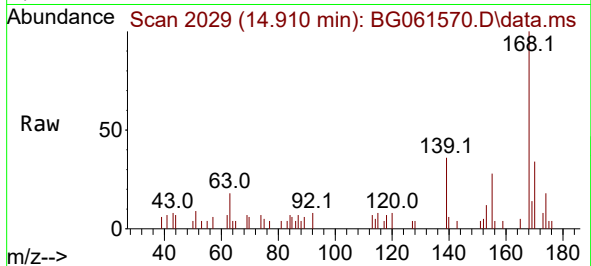




#56
Dibenzenofuran
Concen: 1.098 ng/ul
RT: 14.910 min Scan# 2030
Delta R.T. 0.001 min
Lab File: BG061570.D
Acq: 8 Jun 2024 18:16

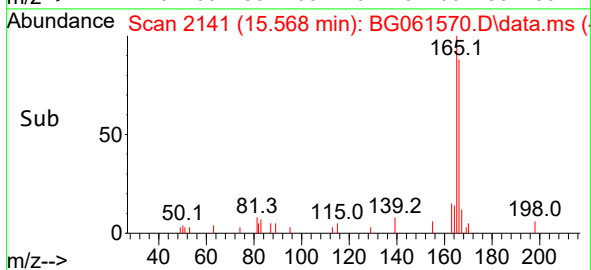
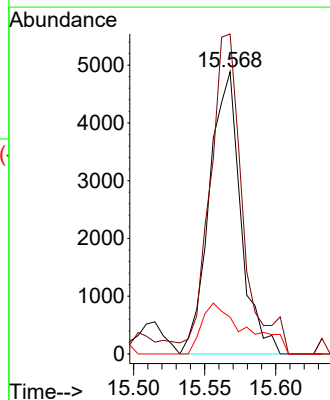
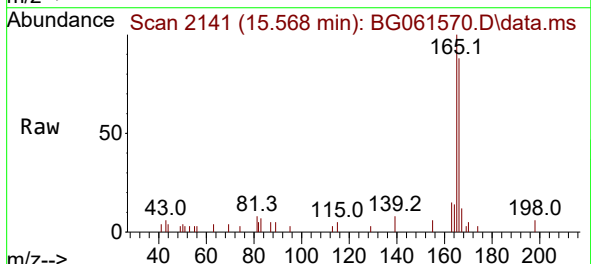
Instrument :
BNA_G
ClientSampleId :
BHBT6

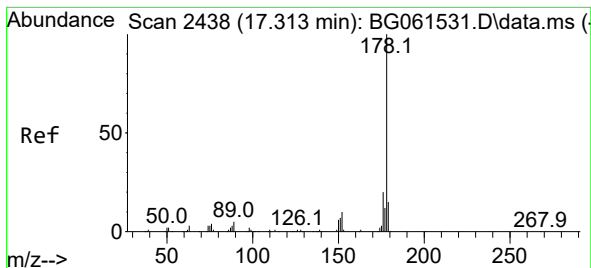
Tgt Ion:168 Resp: 6646
Ion Ratio Lower Upper
168 100
139 35.6 33.4 50.2



#61
Fluorene
Concen: 1.430 ng/ul
RT: 15.568 min Scan# 2141
Delta R.T. 0.006 min
Lab File: BG061570.D
Acq: 8 Jun 2024 18:16

Tgt Ion:166 Resp: 7489
Ion Ratio Lower Upper
166 100
165 113.4 81.8 122.8
167 13.0 10.6 16.0





#72

Phenanthrene

Concen: 22.394 ng/u1

RT: 17.307 min Scan# 2437

Delta R.T. 0.001 min

Lab File: BG061570.D

Acq: 8 Jun 2024 18:16

Instrument :

BNA_G

ClientSampleId :

BHBT6

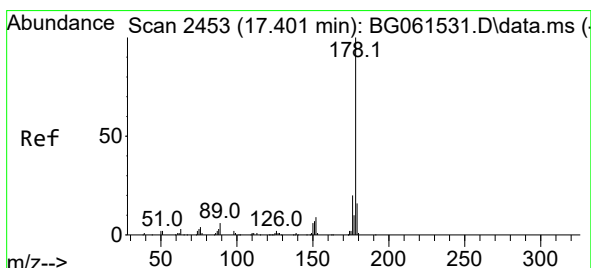
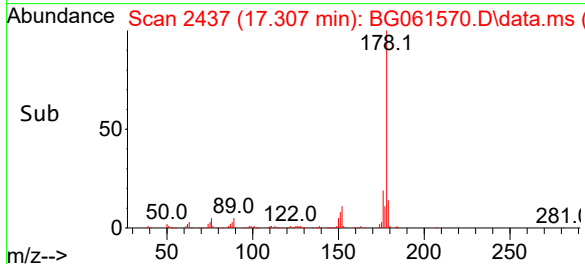
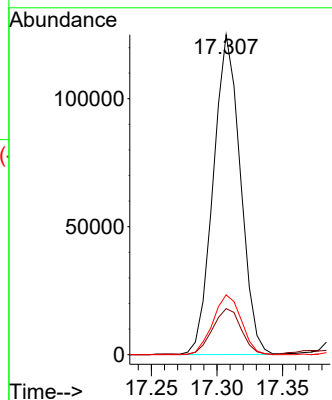
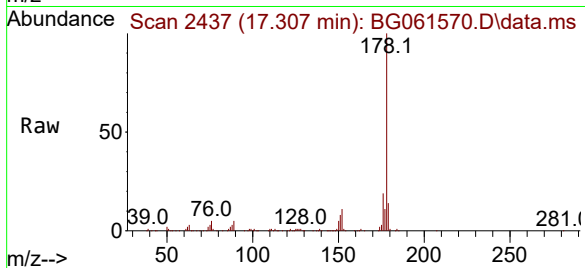
Tgt Ion:178 Resp: 179679

Ion Ratio Lower Upper

178 100

179 14.4 12.7 19.1

176 18.7 15.5 23.3



#74

Anthracene

Concen: 3.322 ng/u1

RT: 17.395 min Scan# 2452

Delta R.T. 0.001 min

Lab File: BG061570.D

Acq: 8 Jun 2024 18:16

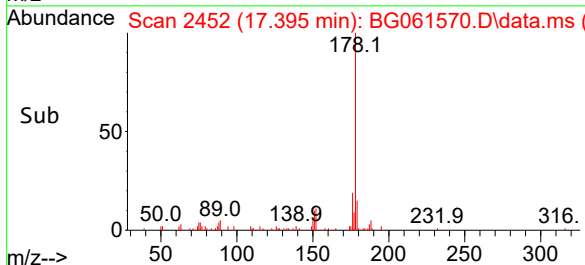
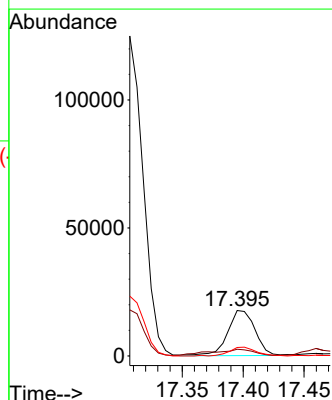
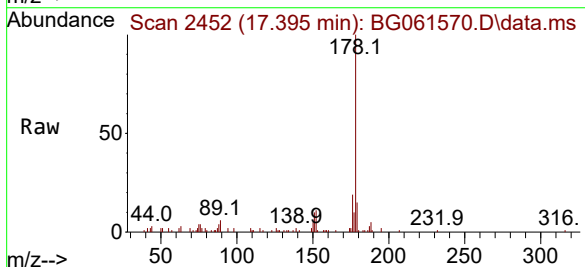
Tgt Ion:178 Resp: 27557

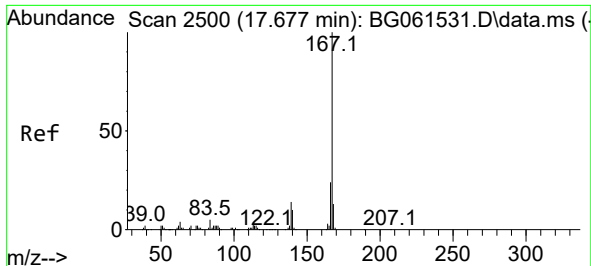
Ion Ratio Lower Upper

178 100

179 14.9 11.8 17.6

176 18.8 14.9 22.3

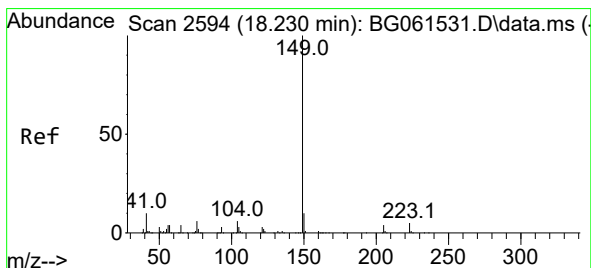
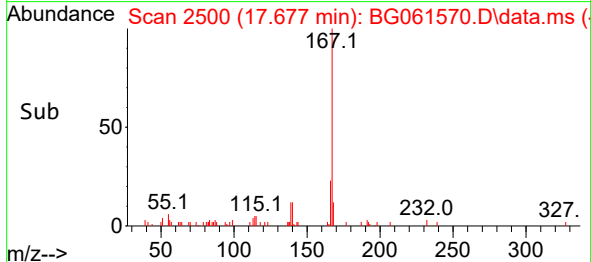
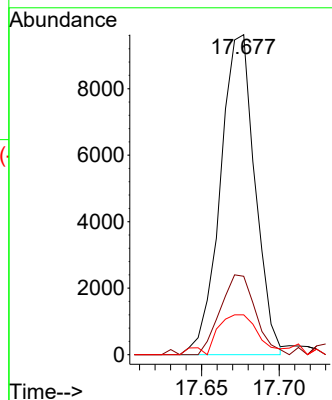
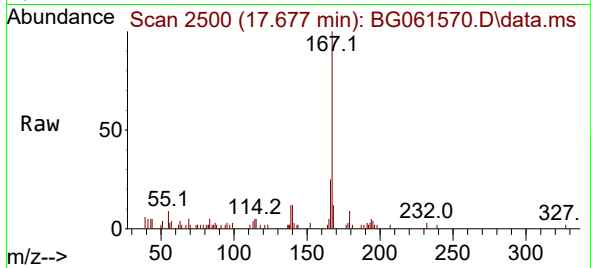




#77
 Carbazole
 Concen: 2.217 ng/ul
 RT: 17.677 min Scan# 216
 Delta R.T. 0.006 min
 Lab File: BG061570.D
 Acq: 8 Jun 2024 18:16

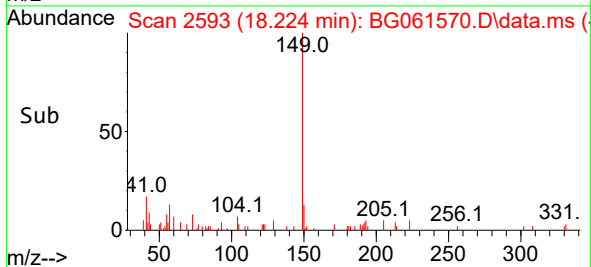
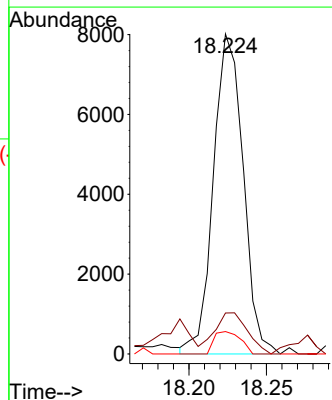
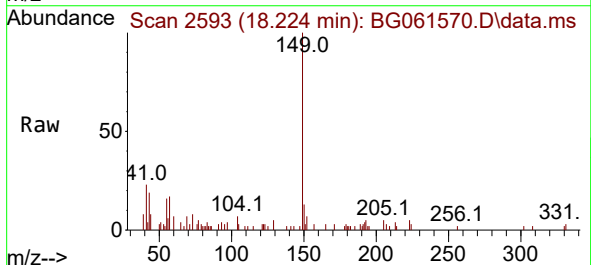
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 BNA_G
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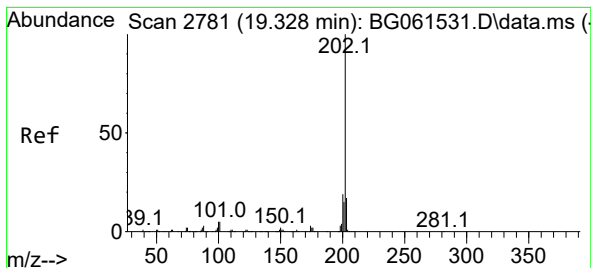
Tgt Ion:	167	Resp:	14957
Ion	Ratio	Lower	Upper
167	100		
166	24.5	18.6	28.0
139	12.4	10.6	15.8



#78
 Di-n-butylphthalate
 Concen: 1.263 ng/ul
 RT: 18.224 min Scan# 2593
 Delta R.T. 0.001 min
 Lab File: BG061570.D
 Acq: 8 Jun 2024 18:16

Tgt Ion:	149	Resp:	10680
Ion	Ratio	Lower	Upper
149	100		
150	12.8	7.8	11.8#
104	7.0	4.8	7.2





#80

Fluoranthene

Concen: 39.001 ng/ul

RT: 19.328 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG061570.D

Acq: 8 Jun 2024 18:16

Instrument :

BNA_G

ClientSampleId :

BHBT6

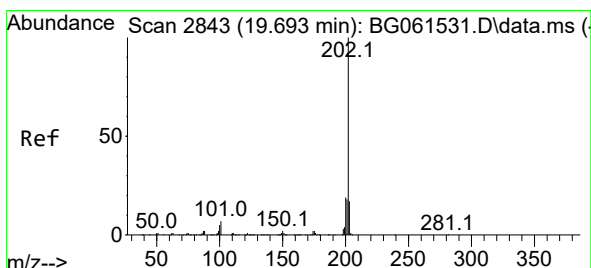
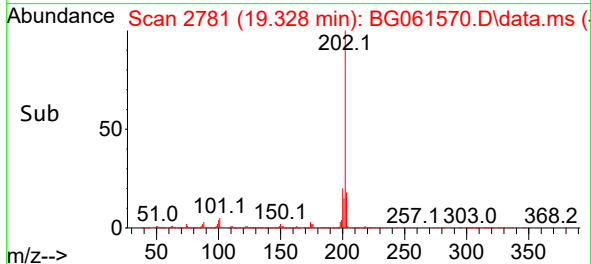
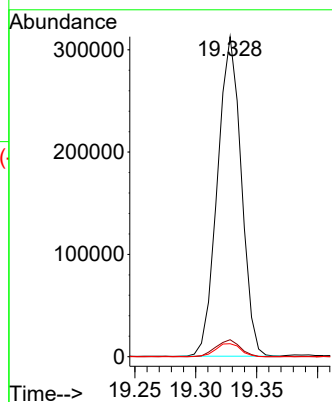
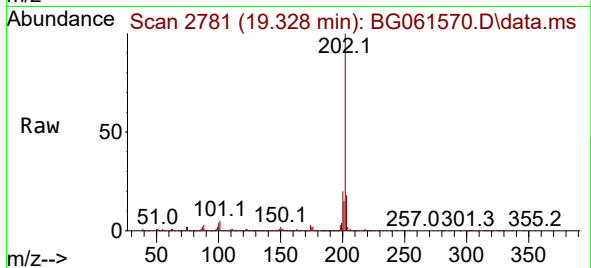
Tgt Ion:202 Resp: 425151

Ion Ratio Lower Upper

202 100

101 5.3 4.8 7.2

100 4.1 4.1 6.1#



#82

Pyrene

Concen: 28.907 ng/ul

RT: 19.692 min Scan# 2843

Delta R.T. 0.006 min

Lab File: BG061570.D

Acq: 8 Jun 2024 18:16

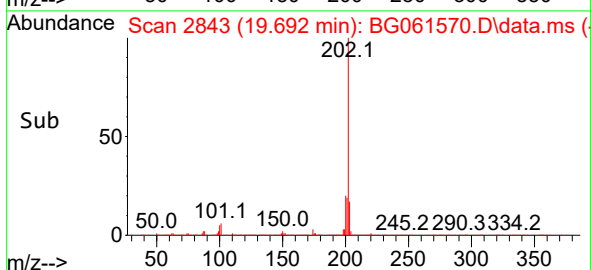
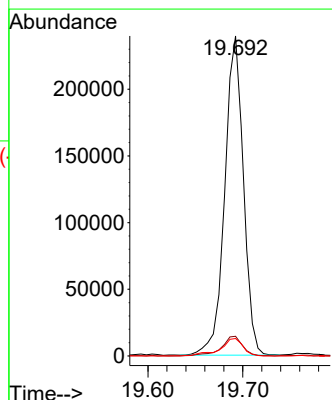
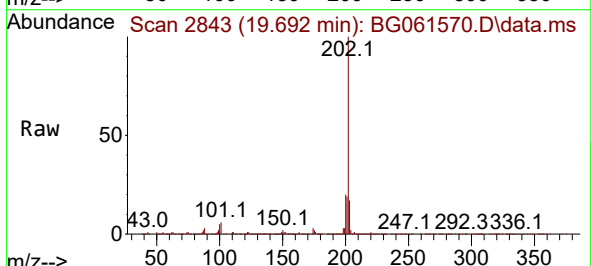
Tgt Ion:202 Resp: 327100

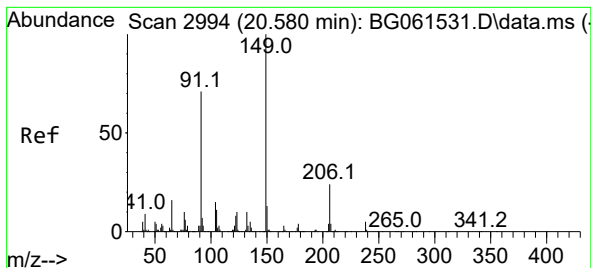
Ion Ratio Lower Upper

202 100

101 6.2 5.7 8.5

100 5.4 5.1 7.7





#83

Butylbenzylphthalate

Concen: 3.158 ng/ul

RT: 20.574 min Scan# 2993

Delta R.T. 0.001 min

Lab File: BG061570.D

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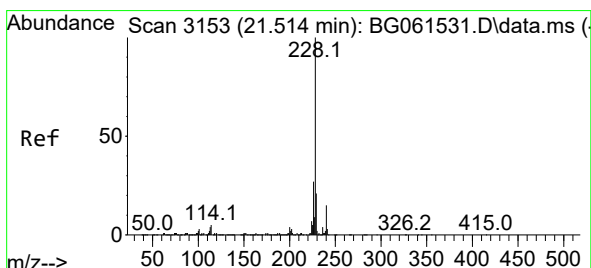
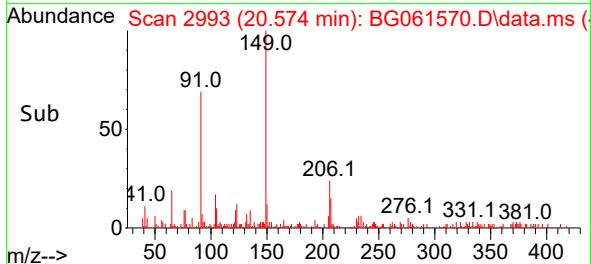
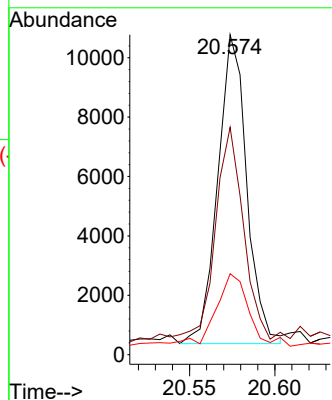
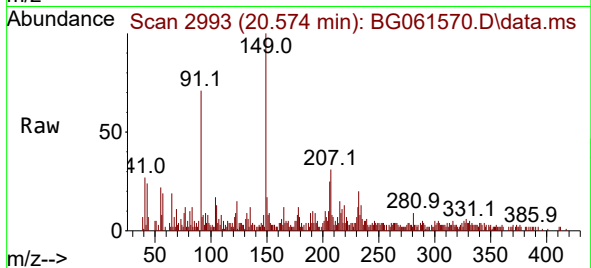
Tgt Ion:149 Resp: 12276

Ion Ratio Lower Upper

149 100

91 71.1 54.8 82.2

206 25.3 19.4 29.0



#85

Benzo(a)anthracene

Concen: 19.076 ng/ul

RT: 21.508 min Scan# 3152

Delta R.T. 0.006 min

Lab File: BG061570.D

Acq: 8 Jun 2024 18:16

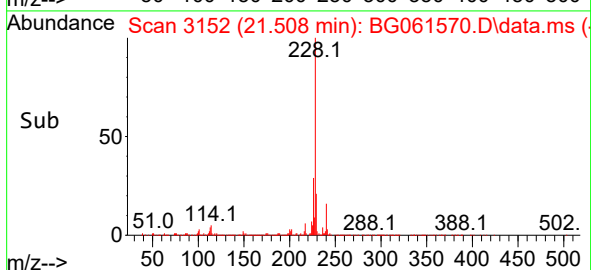
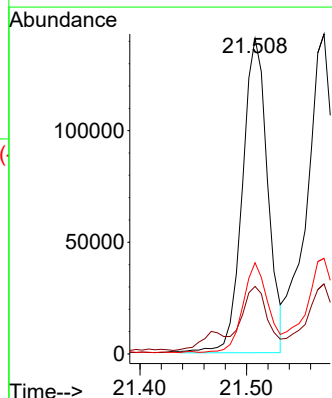
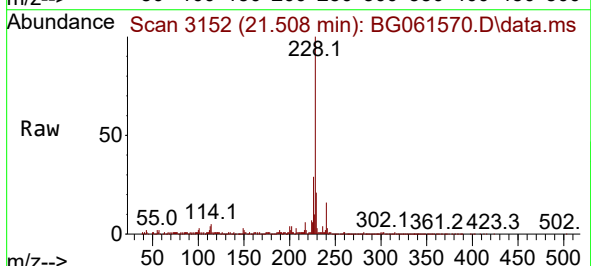
Tgt Ion:228 Resp: 232944

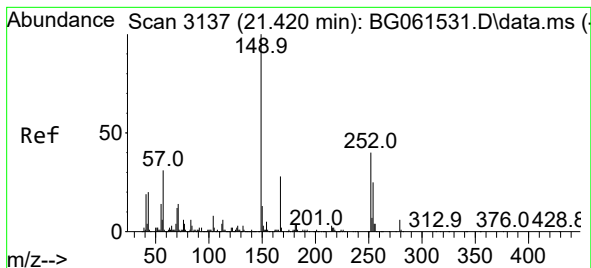
Ion Ratio Lower Upper

228 100

229 21.4 15.2 22.8

226 28.9 21.4 32.2

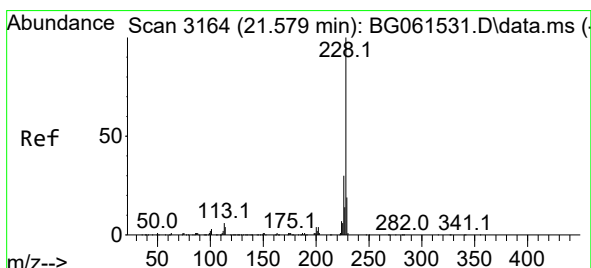
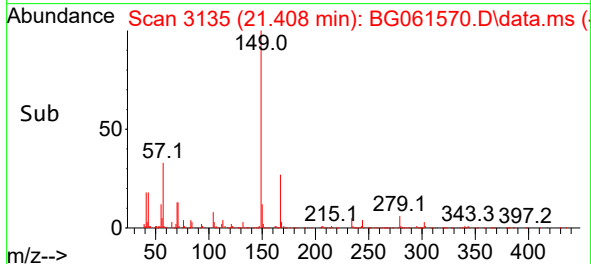
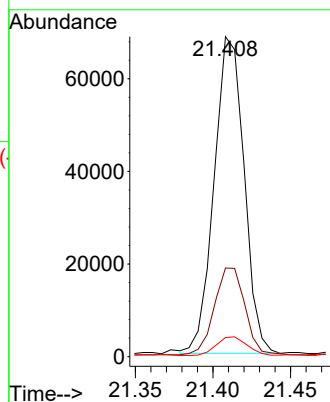
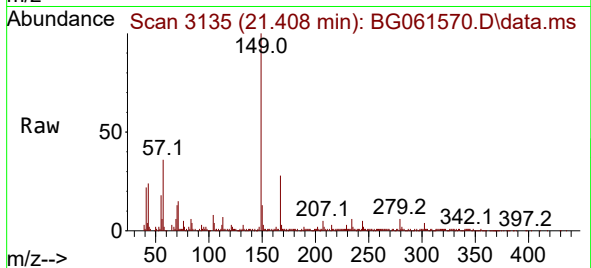




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 15.960 ng/ul
 RT: 21.408 min Scan# 3137
 Delta R.T. 0.001 min
 Lab File: BG061570.D
 Acq: 8 Jun 2024 18:16

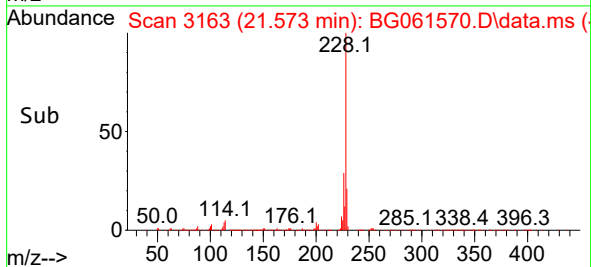
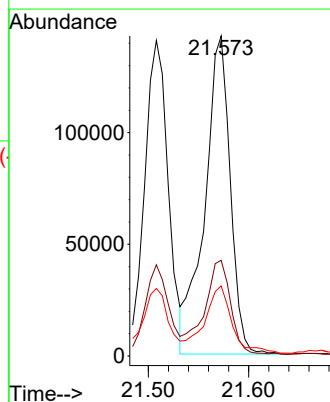
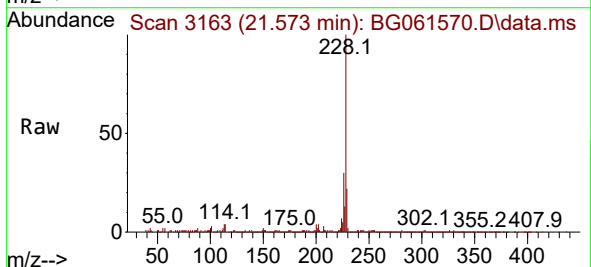
Instrument :
 BNA_G
 ClientSampleId :
 BHBT6

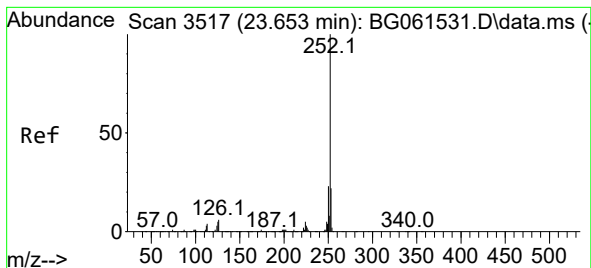
Tgt Ion:149 Resp: 91832
 Ion Ratio Lower Upper
 149 100
 167 27.7 21.1 31.7
 279 6.0 3.3 4.9#



#87
 Chrysene
 Concen: 22.425 ng/ul
 RT: 21.573 min Scan# 3163
 Delta R.T. 0.006 min
 Lab File: BG061570.D
 Acq: 8 Jun 2024 18:16

Tgt Ion:228 Resp: 252151
 Ion Ratio Lower Upper
 228 100
 226 29.9 23.4 35.0
 229 21.9 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 27.829 ng/ul

RT: 23.652 min Scan# 3517

Delta R.T. 0.018 min

Lab File: BG061570.D

Acq: 8 Jun 2024 18:16

Instrument :

BNA_G

ClientSampleId :

BHBT6

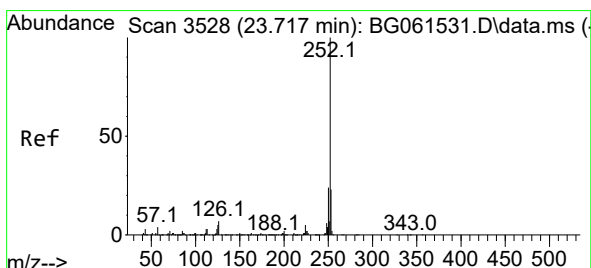
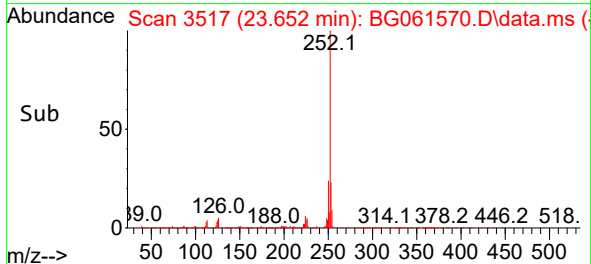
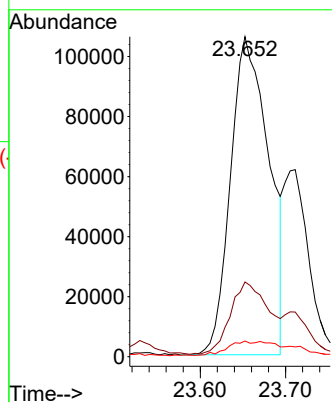
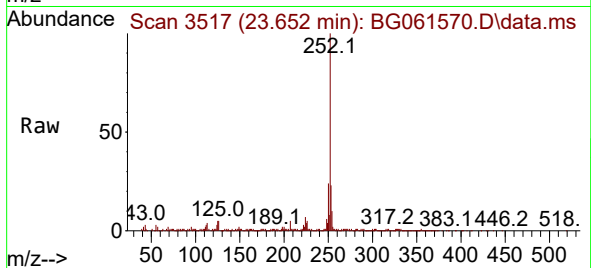
Tgt Ion:252 Resp: 330751

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 4.9 4.6 6.8



#91

Benzo(k)fluoranthene

Concen: 27.413 ng/ul

RT: 23.652 min Scan# 3517

Delta R.T. -0.046 min

Lab File: BG061570.D

Acq: 8 Jun 2024 18:16

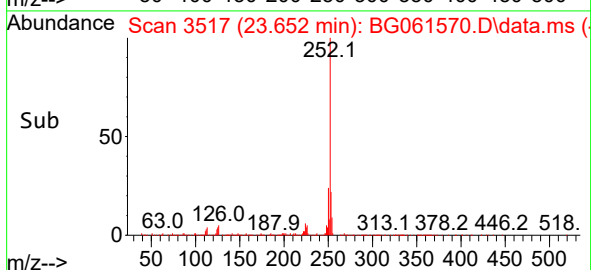
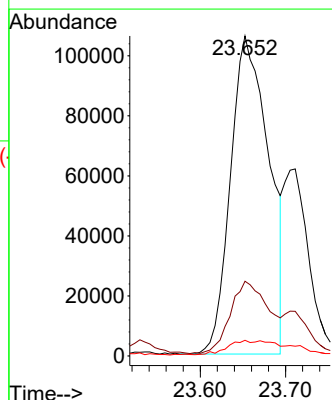
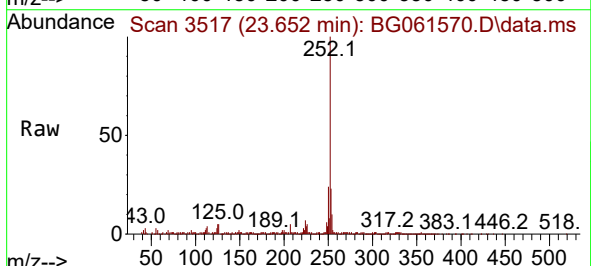
Tgt Ion:252 Resp: 330751

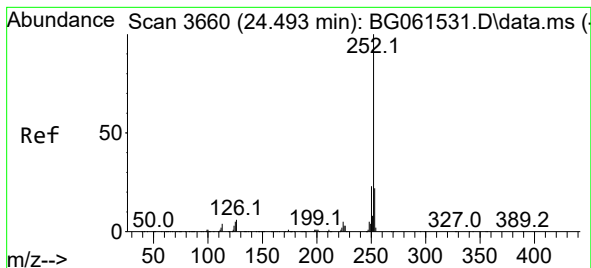
Ion Ratio Lower Upper

252 100

253 23.4 16.0 24.0

125 4.9 4.3 6.5





#93

Benzo(a)pyrene

Concen: 10.964 ng/ul

RT: 24.487 min Scan# 3

Delta R.T. 0.018 min

Lab File: BG061570.D

Acq: 8 Jun 2024 18:16

Instrument :

BNA_G

ClientSampleId :

BHBT6

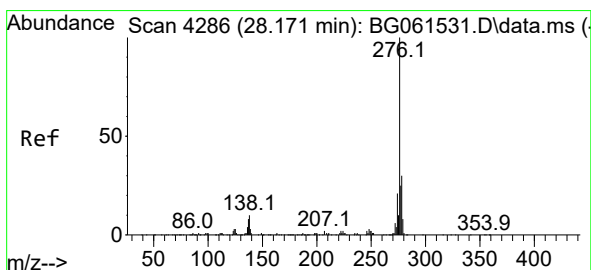
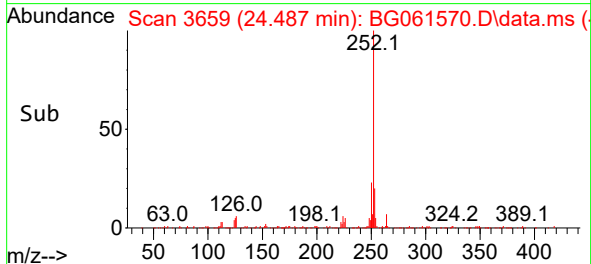
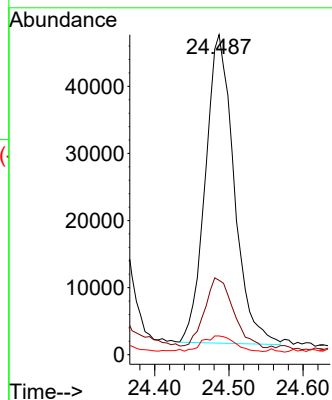
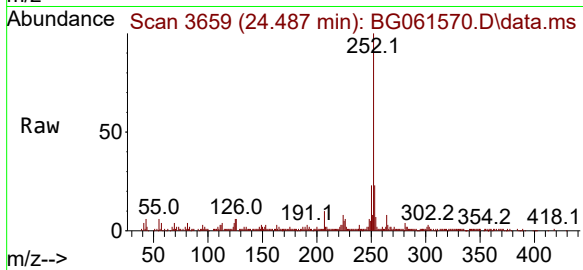
Tgt Ion:252 Resp: 123736

Ion Ratio Lower Upper

252 100

253 23.2 16.4 24.6

125 5.9 4.3 6.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.693 ng/ul

RT: 28.171 min Scan# 4286

Delta R.T. 0.036 min

Lab File: BG061570.D

Acq: 8 Jun 2024 18:16

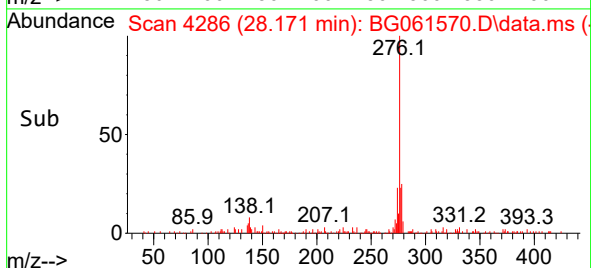
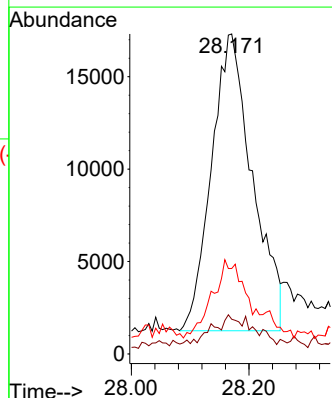
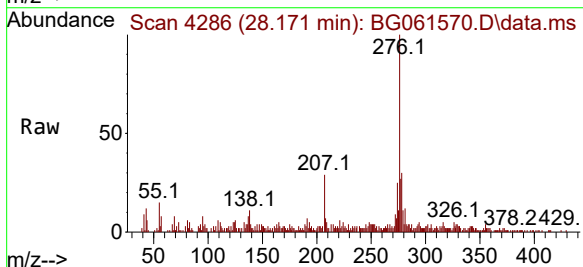
Tgt Ion:276 Resp: 77691

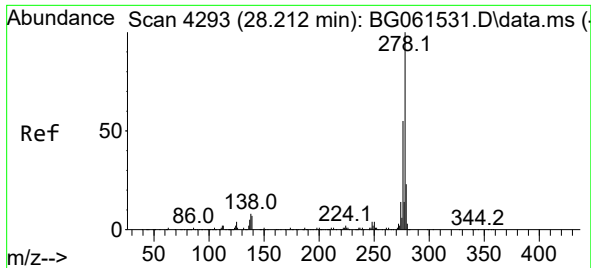
Ion Ratio Lower Upper

276 100

138 10.9 8.6 13.0

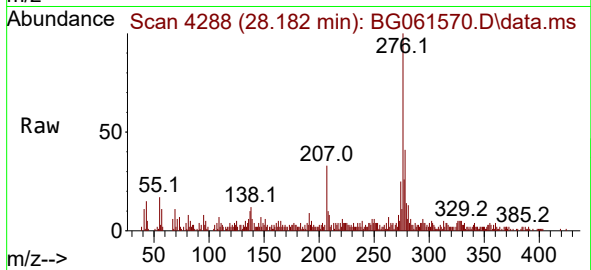
277 26.7 19.7 29.5





#95
 Dibenzo(a,h)anthracene
 Concen: 1.123 ng/ul
 RT: 28.182 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: BG061570.D
 Acq: 8 Jun 2024 18:16

Instrument :
 BNA_G
 ClientSampleId :
 BHBT6



Tgt Ion:278 Resp: 12640
 Ion Ratio Lower Upper
 278 100
 139 14.9 6.4 9.6#
 279 35.5 19.9 29.9#

